

Serial No. 10/692,999

Docket No. NG(ST)7617

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AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0016] of the Specification with the following amended

paragraph:

[0016] The sensor 12 may be any two-dimensional full-frame digital camera device, using, for example, CCD (charge-coupled device) technology or CMOS (complementary metal-oxide semiconductor) imaging devices. If laser illumination is used, the sensor 12 may use electronic speckle pattern interferometry (ESPI), such as the ESPI sensors made by Steinbischler Optotechnik GmbH, ~~as described on the Web site of the Syneretek company, at~~ www.syneretek.com.

Please replace paragraph [0023] of the Specification with the following amended

paragraph:

[0023] As indicated in block 30, image processing includes recording frame-to-frame changes in the size and axial distance of ~~spot~~ the spot of interest. As indicated above, such changes are used in various approaches to detect the presence and locations of the spots initially, as well as to detect changes in the spots in terms of their extent and axial distance, as measured over a selected time interval. As indicated in block 32, there is also a requirement to track frame-to-frame positions of spots in order to compensate for movement of the subject or the subject's face. In general, tracking and temporal recording of the speckle spots is effected by measuring the continuing temporal occurrence and magnitude intensity changes of the spots. This is the desired data that will be both stored and temporally marked to correlate to other events (e.g., questions from the examiner) to sense the emotional behavior and status of the individual being examined.

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